

Amendments to the claims:

1. (currently amended) A method for collision detection, comprising the following steps:

providing a sensor;

wherein transmitting a an unfiltered output signal of the a sensor (1) to a low pass filter and to a threshold value decider for collision detection is used;

wherein the signal is filtered;

wherein comparing the unfiltered signal is compared with a predetermined plausibility threshold[.]; and

detecting a collision on the basis of the comparison and of the filtered signal, a collision is detected.

2. (currently amended) The method of claim 1, ~~characterized in that~~ wherein if the plausibility threshold is exceeded, a plausibility flag is set.

3. (currently amended) The method of claim 2, ~~characterized in that~~ wherein the plausibility flag is transmitted to a processor (8).

4. (currently amended) The method of claim 2, ~~characterized in that~~ wherein the plausibility flag is maintained for a predetermined length of time.

5. (currently amended) An apparatus for collision detection, comprising:

~~wherein the apparatus has~~ a sensor for outputting a signal;

~~wherein a filter (3) for filtering that filters~~ the signal is ~~provided;~~

~~wherein a threshold value decider (2) for the unfiltered signal is provided;~~

and

~~wherein a processor (8), wherein the processor detects a collision is embodied such that as a function of an output signal of the threshold value decider (2) and of the filtered signal, it detects a collision.~~

6. (currently amended) The apparatus of claim 5, ~~characterized in that~~
wherein the threshold value decider (2) is connected at its output to a hold element in such a way that the hold element keeps the output signal for a predetermined length of time.

7. (currently amended) The apparatus of claim 5, ~~characterized in that~~
wherein the sensor (1) can be connected to a control unit (9), and the control unit (9) has the processor (8) and can be connected to restraint means (11).

8. (currently amended) The apparatus of claim 7, ~~characterized in that~~
wherein the filter (3) and the hold element are disposed in the control unit (9).

9. (currently amended) The apparatus of claim 7, ~~characterized in that~~
wherein the filter (3), the hold element, and a device for analog/digital conversion
are disposed in a housing (12) together with the sensor (1).

10. (currently amended) The apparatus of claim 5, ~~characterized in that~~
wherein the sensor (1) is embodied as an acceleration sensor.